

forming a layer of the viscous fluid on the first substrate by dosing the first substrate with viscous fluid from the dosing arm;

rotating the first substrate with a rotary drive;

positioning the second substrate onto the layer of viscous fluid formed on the first substrate with a connecting means;

spinning off excess viscous fluid of the layer between the first substrate and the second substrate with a rotary centrifugal drive; and

controlling a thickness of the layer formed on the first substrate to a predetermined thickness by controlling at least one of the dosing pump, a position of the dosing arm with respect to the first substrate, a rotary speed of the rotary drive, and a rotary speed of the rotary centrifugal drive in response to: (a) at least one of a temperature of the first substrate and a temperature of the second substrate; and (b) at least one of a temperature of the viscous fluid and a viscosity of the viscous fluid.

24. (Thrice Amended) An apparatus for bonding a first planar substrate to a second planar substrate by a bonding material in the form of a viscous fluid, comprising:

- a pump that pumps the viscous fluid;
- a dosing arm, connected to the pump and positioned over the first substrate, that doses the first substrate with the viscous fluid and forms a layer of the viscous fluid on the first substrate;
- a plate that supports the first substrate;
- a rotary drive that rotates the plate;
- a connecting means that positions the second substrate onto the layer of viscous fluid formed on the first substrate;
- a rotary centrifugal drive that spins off excess viscous fluid of the layer between the first substrate and the second substrate; and

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a controller that controls a thickness of the layer to a predetermined thickness by controlling at least one of the dosing pump, a position of the dosing arm, a rotary speed of the rotary drive, and a rotary speed of the rotary centrifugal drive in response to: (a) at least one of a temperature of the first substrate and a temperature of the second substrate; and (b) a temperature of the viscous fluid and a viscosity of the viscous fluid.

See the attached Appendix for the changes made to effect the above claims.